

Appln. No. 10/556,914
Reply dated May 1, 2009
Reply to Office Action of April 1, 2009

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A tooth coating composition containing shellac, rosin, and their solvent as the main components, and

one or more auxiliary components selected from the group consisting of a pigment, a pigment dispersant, a dye, an efficacious component having anti-dental caries function, an anti-bacterial agent, a tackifier, a luster reflecting material, a bleaching agent, a flavoring agent, and mixtures thereof.

2. (Original) The tooth coating composition according to claim 1, wherein the content of the shellac is in a range of 1 wt.% to 30 wt.% in the entire composition and the content of the rosin is in a range of 1 wt.% to 30 wt.% in the entire composition.

3. (Original) The tooth coating composition according to claim 2, wherein the content of the shellac is in a range of 5 wt.% to 20 wt.%, in the entire composition and

the content of the rosin is in a range of 5 wt.% to 25 wt.%, in the entire composition.

4. (Original) The tooth coating composition according to claim 2, wherein the total content of the shellac and the rosin is in a range of 10 wt.% to 31 wt.% in the entire composition.

5. (Currently Amended) The tooth coating composition according to claim 1, wherein the one or more [[of]] auxiliary components comprises selected from a pigment, present in an amount of 1 wt.% to 20 wt.% in a pigment dispersant, a dye, an efficacious component having anti-dental caries function, an anti-bacterial agent, a tackifier, a luster reflecting material, a bleaching agent, and a flavor are added to the entire composition.

6. (Currently Amended) The tooth coating composition according to claim 5, wherein the one or more [[of]] pigments are selected from the group consisting of titanium oxide, natural pearl, mica titanium, iron oxide, a body extender pigment, and a synthetic coloring agent are added as the pigment.

7. (Cancelled).

8. (Original) The tooth coating composition according to claim 5, wherein

N-methacrylethyl-N,N-dimethylammonium- α -N-methylcarboxybetaine-alkyl methacrylate copolymer is used as the dispersant of the pigment.

9. (Original) The tooth coating composition according to claim 5, wherein the content of the dispersant of the pigment is in a range of 1 wt.% to 20 wt.%, in the entire composition.

10. (Original) The tooth coating composition according to claim 5, wherein one or more of compound selected from sodium fluoride, sodium monofluorophosphate, and stannous fluoride are added as efficacious components having anticaries function to the composition.

11. (Original) The tooth coating composition according to claim 5, wherein one or more of compounds selected from sodium azulenesulfonate, ϵ -aminocaproic acid, allantoin, allantoin chlorohydroxyaluminum, allantoin dihydroxyaluminum, epidihydrocholesterol, dihydrocholesterol, sodium chloride, glycyrrhizic acid, diammonium

glycyrrhizinate, disodium glycyrrhizinate, trisodium glycyrrhizinate, dipotassium glycyrrhizinate, monoammonium glycyrrhizinate, β -glycyrrhetic acid, isopropylmethylphenol, cetylpyridinium chloride, decalinium chloride, benzalconium chloride, benzethonium chloride, alkyldiaminoethylglycine hydrochloride, chlorohexidine hydrochloride, triclosan, ascorbic acid, sodium ascorbate, pyridoxine hydrochloride, dl- α -tocopherol acetate, dl- α -tocopherol nicotinate, zeolite, sodium dihydrogen pyrophosphate, sodium pyrophosphate, sodium monohydrogen phosphate, trisodium phosphate, sodium polyphosphate, polyethylene glycol, polyvinyl pyrrolidone, lysozyme chloride, sodium copper chlorophyllin, hinokitiol, polyoxyethylene lauryl ether, sodium lauroyl sarcosinate, plant extract, and phytoncide are used as the anti-bacterial agent.

12. (Original) The tooth coating composition according to claim 5, wherein hydroxypropyl cellulose is used as the tackifier.

13. (Original) The tooth coating composition according to claim 5, wherein one or more of compounds selected from hydrogen peroxide, calcium peroxide, and urea peroxide are used as the bleaching agent.

14 and 15. (Cancelled).

16. (New) The tooth coating composition of claim 10 wherein the efficacious component having anti-caries function is sodium monofluorophosphate.

17. (New) The tooth coating composition of claim 5 wherein the efficacious component having anti-caries function is sodium fluoride or stannous fluoride.

18. (New) A tooth coating composition adapted for use as an adhesive for a decorative art material for application to a tooth, including one or more as a seal, crushed stone, or luster reflecting material, the composition comprising

shellac, rosin, and a solvent as main components, and

one or more auxiliary components selected from the group consisting of a pigment, a pigment dispersant, a dye, an efficacious component having anti-dental caries functions, an anti-bacterial agent, a tackifier, a luster reflecting agent, a bleaching agent, and a flavoring agent.

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19. (New) The tooth coating of claim 18, wherein the content of the shellac is in the range of 1 wt.% to 30 wt.% and the content of rosin is in the rage of 1. wt.% to 30 wt.%, both based on the weight of the entire composition.

20. (New) In a method of providing a coating on a tooth comprising applying a coating composition to the tooth, the improvement wherein the coating composition is in accordance with claim 1.